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## UTILITY PATENT APPLICATION

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| pplication Identifier | 47         |   |
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|                        | <b>1</b> 2  | 3         | PATENT APPLICAT  |                                       | First Named Inventor or Application Identifier |                                 |  | 47  |                                   |
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|                        |   | 5<br>=/   | TRANSMITTAL  | 07.050 4.504.0                        | MOI-741  |                                 |  | 344   |                                   |
|                        | ن   | (Uniy i   | or new nonprovisional applications unde  | er 37 CFR 1.53(b))                    | Express Mail                                   | Label No.                       |  |   |                                   |
|                        | 300   | e MPL     | APPLICATION ELEME<br>P chapter 600 concerning utility patent   |                                       | ADDR   | ESS TO:                         | Box Pater  | ioner for Patents<br>nt Application<br>on, DC 20231 | S S                               |
|                        | 1.  | <b>X</b>  | Fee Transmittal Form (Submit an original, and a duplicate for fee p  | processing)                           | 7.   | CD-ROM o<br>Program (A          | r CD-R in duplicate<br>Appendix)                 | e, large table or C                                 | omputer                           |
|                        | 2.  |           | Applicant claims small entity status.<br>See 37 CFR 1.27.  |                                       | 8.   |                                 | and/or Amino Acid<br>le, all necessary)          | Sequence Subm                                       | ission                            |
|                        | 3.  | . X       | Specification Total Pa   | ages 26                               |  | a (                             | Computer Readable                                | e Form (CRF)  |                                   |
| 1                      | ц4.   | <u>x</u>  | Drawing(s) (35 USC 113) Total Si   | heets 4                               |  |                                 | ation Sequence Lis                               | _   |                                   |
| de Court de            | 5.  |           | Oath or Declaration Total Pa   | ages                                  |  | ii                              | paper  |   |                                   |
| 13                     | 拼拼  |           | a. Newly executed (original or   | сору)                                 |  | c S                             | Statements verifyin                              | g identity of above                                 | e copies                          |
| ,::                    | 持   |           |  |                                       |  | ACCOM                           | PANYING APPLIC                                   | CATION PARTS  | •                                 |
| :#<br>- * <del>*</del> | <b>新班</b>   |           | b. Copy from a prior application (for continuation/divisional with   | · · · · · · · · · · · · · · · · · · · | 9.   | Assignment                      | Papers (cover sheet                              | & document(s))                                      |                                   |
| 100                    |   |           | i. <u>DELETION OF IN</u><br>Signed Statement a   | VENTOR(S) ttached deleting invent     | or(s)  |                                 | s(b) Statement<br>e is an assignee)              | Power   | of Attorney                       |
| Henry Mr.              | in Tares  |           |  | pplication, see 37 CFR                |  |                                 | Inslation Documen                                | t (if applicable)                                   |                                   |
| it dimi                | 6.  |           | Application Data Sheet. See 37 CFR   | 1.76                                  | 12. X  | Information<br>Statement        | Disclosure<br>(IDS)/PTO-1449                     | 7 Copies  | s of IDS<br>ns                    |
| 10                     |   |           |  |                                       | 13.  | Preliminary                     | Amendment  |   |                                   |
| ŗ                      | [   |           |  |                                       | 14. X  |                                 | eipt Postcard (MP<br>specifically itemize        |   |                                   |
|                        | in)   | 1         |  |                                       | 15.  |                                 | opy of Priority Docu                             | ument(s)  |                                   |
|                        | -1  | ì         |  |                                       | 16.  | Other:                          |  |   |                                   |
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|                        | <b>'</b> '  | 7. II a ( | CONTINUING APPLICATION, check ap   |                                       |  |                                 |  |   |                                   |
|                        | P   | rior appl | Continuation Divisional Cation information: Examiner   |                                       |  |                                 | lication No/_<br>nit:                            |   |                                   |
|                        | α   | onsidere  | INUATION OR DIVISIONAL APPS only: The data part of the disclosure of the accompanying when a portion has been inadvertently omit | ng continuation or divisi             | onal application and                           | from which an<br>is hereby inco | oath or declaration is<br>prograted by reference | s supplied under Bo<br>e. The incorporatio          | ox 5b, is<br>n <u>can only</u> be |
|                        |   |           |  | 18. CORRES                            | PONDENCE ADDR                                  |                                 |  |   |                                   |
|                        | X Customer Number or Bar Code Label (Insert Customer No. or Attach bar code label here) or Correspondence address below |           |  |                                       |  |                                 | below  |   |                                   |
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|                        | -   | ity       |  | State                                 |  |                                 | Zip Code   |   |                                   |
|                        | <u>LC</u>   | ountry    |  | Telephone                             |  |                                 | Fax  |   |                                   |

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| ALCULATIONS | (5) CA | ATE                    | (4) R       | (3) NUMBER EXTRA         | (2) NUMBER FILED .         | (1) FOR                                | CLAIMS |
|-------------|--------|------------------------|-------------|--------------------------|----------------------------|--|--------|
| 1,512.00    | \$     | =                      | X \$ 18.00  | 84                       | 104 - 20 =                 | TOTAL CLAIMS<br>(37 CFR 1.16(c))       |        |
| 0.00        | \$     | =                      | X \$ 84.00  | 0                        | 1 - 3 =                    | INDEPENDENT<br>CLAIMS (37 CFR 1.16(b)) |        |
| 280.00      | \$     | =                      | \$280.00    | CFR 1.16(d))             | CLAIMS (if applicable) (37 | MULTIPLE DEPENDENT                     |        |
| 740.00      | \$     | SIC FEE<br>FR 1.16(a)) |             |                          |                            |  |        |
| 2,532.00    | \$     | ulations =             | above Calc  | Total of                 |                            |  |        |
|             |        |                        | .27, 1.28). | tity (Note 37 CFR 1.9, 1 | 50% for filing by small en | Reduction by                           |        |
| 2,532.00    | \$     | TOTAL =                |             |                          |                            |  |        |
|             |        |                        |             |                          |                            |  |        |

| 19. | Small entity status |  |  |  |  |  |
|-----|---------------------|--|--|--|--|--|
|     | a.                  | A small entity statement is enclosed   |  |  |  |  |
|     | b.                  | b. A small entity statement was filed in the prior nonprovisional application and such status is still proper and desired. |  |  |  |  |
|     | C.                  | ls no longer claimed.  |  |  |  |  |
| 20. | X                   | A check in the amount of \$ 2,532.00 to cover the filing fee is enclosed.  |  |  |  |  |
| 21. |                     | A check in the amount of \$ to cover the recordal fee is enclosed.   |  |  |  |  |
| 22. | The Con<br>No. 06-  | nmissioner is hereby authorized to credit overpayments or charge the following fees to Deposit Account 1205:               |  |  |  |  |
|     | a.                  | X Fees required under 37 CFR 1.16.   |  |  |  |  |
|     | b.                  | X Fees required under 37 CFR 1.17.   |  |  |  |  |
|     | C.                  | Fees required under 37 CFR 1.18.   |  |  |  |  |
|     |                     |  |  |  |  |  |

| SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED |                                     |  |  |  |
|---|-------------------------------------|--|--|--|
| NAME  | Michael K. O'Neill, Reg. No. 32,622 |  |  |  |
| SIGNATURE   | Wideal & Shirl                      |  |  |  |
| DATE .  | December 4, 2001                    |  |  |  |

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